

Town of Purcellville
Weekly Water Demand Report
 02/01/2016- 02/07/2016

Notes:

Day	Date	Main St. Complex	Forbes	Cornwell	Hirst	Mtn View	Marsh Well	Total Wells Production	Water Plant	TOTAL Production	Jefferies Well	Jefferies % of WTP	In-Service Capacity
Mon	2/1	104,300	25,708	59,039	0	40,900	79,400	309,347	235,400	544,747	0	0.0%	64.6%
Tue	2/2	102,400	31,121	60,815	0	40,200	86,300	320,836	269,200	590,036	0	0.0%	70.0%
Wed	2/3	109,600	27,332	62,037	0	31,800	81,400	312,169	186,000	498,169	0	0.0%	59.1%
Thu	2/4	101,600	28,391	42,030	0	33,400	63,100	268,521	213,200	481,721	0	0.0%	57.1%
Fri	2/5	111,200	34,203	47,561	0	42,900	70,600	306,464	229,000	535,464	0	0.0%	63.5%
Sat	2/6	102,900	32,578	46,634	0	27,400	76,300	285,812	191,700	477,512	0	0.0%	56.6%
Sun	2/7	103,900	26,184	43,105	0	29,400	78,700	281,289	197,100	478,389	0	0.0%	56.7%
Weekly Total		735,900	205,517	361,221	0	246,000	535,800	2,084,438	1,521,600	3,606,038	0		
Daily Avg's		105,129	29,360	51,603	0	35,143	76,543	297,777	217,371	515,148	0	0.0%	61.1%
Weekly Max's		111,200	34,203	62,037	0	42,900	86,300	320,836	269,200	590,036	0	0.0%	70.0%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	297,777	217,371	217,371	515,148	31,514,249

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon*	2/1	NM	NM	
Tue*	2/2	NM	NM	
Wed*	2/3	NM	NM	
Thu	2/4	5.58	5.50	1.15
Fri	2/5	5.52	5.36	
Sat	2/6	5.52	5.30	
Sun	2/7	5.52	5.30	
Weekly Total				1.15

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **144.98**

Based on Current Daily Average WTP Production Using Jefferies **144.98**

Based on Current (Permitted) Maximum Reservoir Safe Yield **105.05**

Unusual Usage		
Date		
2/1		
2/2		
2/3		
2/4	3,400	Bulk Water Sales
2/5	3,000	Bulk Water Sales
2/6		
2/7		
Total	6,400	

Note: *Not measured. Access limited due to snow.